

ABSTRACT OF THE DISCLOSURE

An exemplary embodiment of the invention relates to a computer-based program and system for displaying visually realistic raw radar signals. The computer program includes a RADAR

- 5 display fade algorithm. The algorithm includes alpha blending and texture mapping for producing a slow fade. Use of two buffers and transfer of data between the buffers to produce a smooth update of the visual display while the sweep of the RADAR ray advances and new or updated RADAR contacts are displayed.